



Federal Geographic Data Committee (FGDC) Bathymetric Subcommittee Meeting

Draft Meeting Minutes November 30, 1999

The FGDC Bathymetric Subcommittee (BSC) met at the NOAA Special Projects Office, 1305 East-West Highway, Silver Spring, Maryland. An agenda is included at the end of the minutes. A number of items were distributed during the meeting and a list of these is included at the end of the minutes. Individuals requesting copies should contact David Stein at dstein@csc.noaa.gov for copies.

Highlights

1. Anne Miglarese, chair of the BSC, called the meeting to order. The last meeting was May 14, 1998. A proposal was made that the BSC should meet quarterly. The chair gave an overview of recent BSC accomplishments as related to the National Spatial Data Infrastructure (NSDI) Strategic Plan. Subcommittee members were asked to submit any additional accomplishments that were not listed. Also, it was established that an updated web page will be developed and maintained by the NOAA Coastal Services Center (CSC). Another issue discussed was broadening the scope or charter of the BSC to include more coastal and marine data. This will be an agenda item for the next meeting. In the next couple of months the BSC will be soliciting agenda items from the Navy, NIMA, MMS and other agencies involved in the BSC.

Standards Updates

2. David Stein from the NOAA CSC gave a status report on the *Shoreline Metadata Profile in support of a National Shoreline Data Content Standard*. It was stated that this standard be ready for public review starting in January 2000. It was also stated that in order for the standard to be endorsed by the FGDC, a "productive" review will have to be conducted. Over the next month, Kevin Backe and David Stein will compile a list of reviewers for the *Shoreline*

Profile and the Hydrographic Data Content Standard.

3. Jerry Mills from the NOAA Office of Coast Survey gave a status report on the *Hydrographic Data Accuracy Standard*. The official name of the standard is *FGDC Geospatial Positioning Accuracy Standards Part 5: Standards for Nautical Charting Hydrographic Surveys*. The standard is in the draft development stage and has to be reviewed by the FGDC Standards Working Group (SWG) before it will be ready for public review. A presentation to the SWG is scheduled for the January meeting.
4. Kevin Backe from the U.S. Army Corps of Engineers gave a status report on the *Hydrographic Data Content Standard*. This standard is based largely on the IHO S-57 standard. In addition to the FGDC Standard, it was suggested that it also be pushed through as an ANSI standard. It was projected that the FGDC standard will go into public review by January/February. It also has to be presented to the SWG for their approval before public review. David Stein agreed to help facilitate this standard (move it through the standards review process).

Jerry Mills presented the *Hydrographic Surveys Specifications and Deliverables* document. This manual outlines the guidelines and specifications for conducting hydrographic surveying under the auspices of NOAA. It was emphasized that it is not the goal of the manual to be proscriptive in nature but rather performance based. The document is available through the NOAA OCS web page <http://chartmaker.ncd.noaa.gov/staff/prodserv.htm>

Project Descriptions

5. Maureen Kenny from the NOAA OCS gave an overview of the Topo/Bathy Pilot Project. This is a NOAA/United States Geological Survey demonstration project. The goal is to produce a high-resolution, seamless digital database, from elevation down to bathymetry, including the shoreline. All of the data will be referenced to an ellipsoid and have the ability to be exported to different datums. The driving force behind this pilot is to determine where NOAA and USGS have overlap in responsibility and identify potential problems in production. The pilot area will be Tampa, Florida.
6. Maureen Kenny also gave an overview of the Bathymetric Database and Third Party Data Project. This initiative was born out of the Electronic Nautical Charting (ENC) Program. There is a need for a good bathymetric dataset to support the ENC's and other non-navigational users. The goal is to organize and document all bathymetric surveys, convert to a common datum, and make them available. Third party data collected outside of NOAA specifications will also be included in the database and documented as such. This project is in its infancy. Individuals interested in this project can contact Jack Wallace for more information.
7. Mike Brown from the NOAA OCS gave an overview and status report of the ENC program. The ENC is a digital version of the NOAA nautical chart with critical features such as aids to navigation and channels compiled from source data. There currently are 67 charts at the production center. The format of these data are IHO S-57. Thirteen are available for download. For more information about the ENC program go to <http://chartmaker.ncd.noaa.gov/ocs/enc/enc-prog.htm>.
8. A short discussion on offshore boundaries was given by Cindy Fowler from NOAA CSC and Lee Thormahlen from Minerals Management Service (MMS).

NOAA and MMS are responsible for generating offshore boundaries that are then approved by the AdHoc Committee on the U.S. Baseline. NOAA and MMS are working to develop digital representations of legal boundaries such as the baseline, state/federal boundaries, territorial sea, contiguous zone, exclusive economic zone (EEZ) and the continental margin. There is some questions to whether this activity would fall into the BSC or the FGDC Cadastral Subcommittee.

Action Items

1. Develop a workplan for this year.
2. Submit progress report to the FGDC on our 1998/1999 accomplishments.
3. Develop an updated BSC email and distribution list.
4. Investigate what needs to be done to redefine the BSC charter.
5. Update the BSC web page by next meeting.
6. Check in to getting funds from the FGDC to defray travel costs for state and local members of the BSC.
7. Determine if the University of New Hampshire (UNH) wants to participate in the BSC.

Items Distributed at Meeting

1. Agenda
2. Anne Miglarese's overview of the BSC and accomplishments
3. Shalowitz *Shore and Sea Boundaries* Update
4. Jerry Mill's overview on the Hydrographic accuracy standard and Specifications and Deliverables document.
5. Handout asking members to list three priorities the BSC should undertake in the next year

Attendees

Maureen Kenny, Dave Pendleton, Julie Binder Miatra, Mike Gibson, Sam De Bow, Denise Beecher, Zsolt Nagy, Jerry Galt, Karen Kohanowich, Dick Martino, Mike Brown, Chris Friel, Jack Wallace, Lee Thormahlen, Richard Naito, Kevin Backe, Allan Wiley, Richard Danby, David Stein, Cindy Fowler, Jerry Mills, Dan Donnell, Anne Hale Miglarese, Jon Dale, Kevin Shaw, Miyi Chung, Stephen Gill, Chris Andreasen

Agenda

10:00 – Welcome and Introductions

10:15 – Goals of the Committee

- Millington Lockwood's leadership
- Review of previous meeting minutes
- Analysis of accomplishments
- New direction of the FGDC

11:15 – Standards Updates

- Shoreline metadata standard – David Stein
- Hydrographic data accuracy standard – Jerry Mills

12:00 – Lunch

12:45 – Standards continued

- Hydrographic data content standard – Kevin Backe
- Specifications and deliverables document for NOAA hydrographic surveys – Sam DeBow
- Additional standards required – open discussion

1:30 – Marine and Coastal NSDI Initiatives of Common Interest (Short Descriptions)

- Topo/bathy project – Maureen Kenny
- Bathymetric database and third party data – Maureen Kenny
- Electronic nautical chart program – Mike Brown
- Other agency initiatives – open discussion

2:30 – Offshore boundary discussion – Cindy Fowler and Lee Thormahlen

3:00 – Conclusion, Action Items, Next Meeting

Submitted by David Stein

FGDC Bathymetric Subcommittee Executive Secretary